



Api 5l X70m Psl2 Petroleum Pipes Oil Gas Industry A106 Gr B Smls A106grb

Our Product Introduction

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Basic Information



Product Specification

- Product Name: Petroleum Pipe
- Standard: API 5L PSL2
- Material: Carbon Steel, Stainless Steel, Alloy Steel, Etc
- Length: Customized
- Outer Diameter: Customized
- Wall Thickness: Customized
- Technique: Hot Rolled, Cold Rolled, Cold Drawn
- Special Pipe: API Pipe, EMT Pipe, Thick Wall Pipe
- Highlight: api 5l b psl2, x52 psl2, psl2 pipe



Product Description

Oil Gas Industry API 5L PSL2 Petroleum Steel Pipe

API 5L PSL1 X65 is a kind of seamless steel pipe for oil pipeline, which is mainly used to transport oil and natural gas. The product materials mainly include Gr B, X42, X52, X60, X65, and X70. Customers can choose their own products according to their own needs. Please refer to the table below for specific chemical composition and physical performance. In addition, the product specification level is divided into PSL1 and PSL2, which have different inspection requirements, chemical composition, and different mechanical properties. In total, PSL2 is higher than PSL1, so when ordering according to API5L standard, it is necessary to indicate in the contract that whether the specification level is PSL1 or PSL2 (API5L pipeline pipe).

The surface can be painted and marked, the two ends can be threaded and blunted, the two ends of the steel pipe can be equipped with pipe caps and protective covers, and various export packaging methods can ensure the safe transportation of products. Our products sell well all over the world, and high-quality products are unanimously recognized by customers.

Chemical composition

Standard	Grade	Chemical composition()								CEV()
		C	Si	Mn	P	S	V	Nb	Ti	
API SPEC 5L	B	≤0.16	≤0.40	≤1.10	≤0.020	≤0.010				≤0.42
	X42	≤0.17	≤0.40	≤1.20	≤0.020	≤0.010	≤0.05	≤0.05	≤0.04	≤0.42
	X52	≤0.20	≤0.45	≤1.60	≤0.020	≤0.010	≤0.10	≤0.05	≤0.04	≤0.45
	X60	≤0.21	≤0.45	≤1.60	≤0.020	≤0.010	≤0.15	≤0.05	≤0.04	negociation
	X65	≤0.16	≤0.45	≤1.60	≤0.020	≤0.010	≤0.06	≤0.05	≤0.06	≤0.45
	X70	≤0.16	≤0.45	≤1.70	≤0.020	≤0.010	≤0.06	≤0.05	≤0.06	≤0.45

Physical Properties

Standards	Grade No.	Tensile strength(MPa)	Yield strength(MPa)	Yield Strength Ratio	Elongation()	Impact energy(J)	Heat Treatment
API SPEC 5L	B	≥415	245 440	≤0.80	22	≥40	normalizing
	X42	≥415	290 440	≤0.80	21	≥40	normalizing
	X52	≥460	360 510	≤0.85	20	≥40	normalizing
	X60	≥520	415 565	≤0.85	18	≥40	normalizing
	X65	≥535	450 570	≤0.90	18	≥40	Quenching + tempering
	X70	≥570	485 605	≤0.90	18	≥40	Quenching + tempering

Features of Petroleum Steel Pipe

High Strength: Petroleum steel pipes are constructed from high-strength materials to withstand the high pressure and stress associated with the transportation of petroleum products. Common materials used include carbon steel, stainless steel, and alloy steel.

Corrosion Resistance: The pipes are designed to resist corrosion, as petroleum products can be corrosive in nature. Corrosion-resistant coatings or linings are often applied to the pipes to protect them from the corrosive effects of the transported fluids.

Seamless Construction: Seamless petroleum steel pipes are preferred over welded pipes in many applications due to their superior strength and integrity. The absence of welding seams eliminates potential weak points and enhances the overall structural integrity of the pipe.

Heat Resistance: Petroleum steel pipes are designed to withstand high temperatures encountered during the transportation of hot fluids, such as hot crude oil or steam. The materials used are selected for their ability to maintain their mechanical properties even at elevated temperatures.

Pressure Resistance: Petroleum steel pipes are engineered to withstand high-pressure conditions. They are manufactured with thick walls and are designed to handle the internal pressure exerted by the fluids being transported.

Size Range: Petroleum steel pipes are available in various sizes and diameters to accommodate different flow rates and volume requirements. They can range from small-diameter pipes used in local distribution networks to large-diameter pipes used in long-distance pipelines.

Connection Options: Petroleum steel pipes can be produced with different end connections to facilitate easy installation and connection with other pipeline components, valves, or fittings. Common end connections include threaded ends, flanged ends, and welding ends.

Compliance with Standards: Petroleum steel pipes are manufactured in accordance with industry standards and specifications to ensure their quality, reliability, and compatibility with existing infrastructure. Some commonly followed standards include API (American Petroleum Institute) standards and ASTM (American Society for Testing and Materials) specifications.

These features collectively ensure the safe and efficient transportation of petroleum products through pipelines, meeting the stringent requirements of the oil and gas industry. It is important to note that specific features may vary depending on the application, operating conditions, and regulatory requirements governing the particular pipeline system.

FAQ

Q1. Are you a manufacturer or trader?

We are a manufacturer, and we can have our own factory produced many steel products.

Q2. Whether your company supports Trade Assurance order?

Yes, we can (100% product quality protection; 100% on-time shipment protection; 100% payment protection)

Q3. Can we get the some samples? Any charges?

Yes, you can get available samples in our stock. If the samples from new production, we will charge some reasonable cost, but this amount will be deducted from your first order.

Q4. How do we build up business relations with your company?

Send us your requirement which includes size, coating info, parameters, quantity, destination .

Q5. What is the MOQ?

We can accept small orders. Please feel free to contact us, we can meet your requirements.

Q6. What's your advantage?

With high-quality products and efficient customer service, we adhere to the principle of customer first.

Q7. How long is your delivery time?

Delivered within 15 days after receipt of deposit.



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